

08/325,219
STN/CAS (WPIDS)
12-12-95

=> s pn = ep0216479

'EP0216479' IS NOT A VALID FIELD CODE

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=> s ep0216479/pn

L1 1 EP0216479/PN
(EP216479/PN)

=> d l1 allg

L1 ANSWER 1 OF 1 WPIDS COPYRIGHT 1995 DERWENT INFORMATION LTD
AN 87-079851 [12] WPIDS
CR 86-049856 [08]; 86-056974 [09]; 86-056975 [09]; 87-066475 [10];
87-066476 [10]; 87-074110 [11]; 87-081515 [12]
DNC C87-033313
TI Polymer useful as thickener for emulsion paints etc. - contains
alkoxylated allyl ether, ionic and nonionic monomer and opt.
crosslinking monomer.
DC A14 F06 G02 H01
IN FARRAR, D; HAWE, M
PA (ALCG) ALLIED COLLOIDS LTD
CYC 15
PI AU 8660897 A 870219 (8712)* 49 pp
EP 216479 A 870401 (8713) EN <--
R: AT BE CH DE FR GB IT LI LU NL SE
JP 62057408 A 870313 (8716)
US 4892916 A 900109 (9010) 14 pp
EP 216479 B 910213 (9107) <--
DE 3677525 G 910321 (9113)
CA 1295778 C 920211 (9213)
EP 216479 B2 940824 (9433) EN 20 pp C08F246-00 <--
R: AT BE CH DE FR GB IT LI LU NL SE
ADT AU 8660897 A AU 86-60897 860805; EP 216479 A EP 86-306081 860806; JP
62057408 A JP 86-186709 860808; US 4892916 A US 87-99629 870922; EP
216479 B2 EP 86-306081 860806
PRAI GB 85-20218 850812; GB 86-3651 860214; GB 86-3652 860214;
GB 86-3653 860214; GB 86-3650 860214
REP EP 3235; EP 56627; FR 2007379; US 4384096
IC C08F002-24; C08F216-14; C08F216-20; C08F220-06; C08F220-28;
C08F246-00; C08F283-06; C09D003-80; C09D005-02; C09D007-00;
C09D011-10
ICM C08F246-00
ICS C08F002-24; C08F216-14; C08F216-20; C08F220-06; C08F220-28;
C08F283-06; C09D003-80; C09D005-02; C09D007-00; C09D011-10

AB AU 8660897 A UPAB: 941013

Polymer is selected from polymers that are non-swelling and insol. in water at pH 7 but soluble or swellable in aq. acid or alkali, crosslinked polymers, and linear polymers having intrinsic viscosity at least 0.5 (measured as single pt. at 0.05% concn. in MeOH) and formed by polymerisation of: (a) 0-90 wt.% ethylenically unsatd. ionic monomer (I); (b) 0-90 wt.% ethylenically unsatd. non-ionic monomer (II); (c) 0.5-100 wt.% monomer of formula (III) $\text{CH}_2=\text{CH}_2\text{-O-AmBnApR}$ (III) (where $\text{R}_1=\text{H}$ or Me ; $\text{A}=\text{propylenoxy}$ or butylenoxy ; $\text{B}=\text{ethylenoxy}$; $n=0$ or integer; p and $m=0$ or integer less than n ; $\text{R}=\text{min. 8C hydropho gp.}$); and (d) 0-5 wt.% crosslinking agent.

Also claimed are compsns. in the form of aq. emulsions comprising unswollen and non-thickening polymer, and compsns., esp. print pastes and emulsion paints, at such a pH that the polymer is dissolved or swollen and the compsn. is thickened.

USE/ADVANTAGE - The polymers, esp. when prepd. by o/w emulsion polymerisation, are useful for thickening: aq. latex paints, including matt, semi-matt and gloss paints; textile print pastes, esp. those prone to gelling, where they also minimise fluxing of the print colour; oils; brines, e.g. downhole; carpet backing latices; and textile sizing solns. The polymers are also useful as water retention aids, e.g. in cements, and as de-icing fluids, as flocculants for sewage or inorganic dispersions, as filtration aids and paper retention aids, as gangue suppressants, as clarification improvers, for pelletising minerals, as dewatering aids or filtration rate improvers, as drift controllers in agricultural spray compsns., as soil stabilisers or dust suppressants, and as aq. adhesive e.g. wallpaper adhesive. Polymers are esp. useful for thickening brine, drilling muds and acidising or fracturing fluids, as viscosifiers for enhanced oil recovery, as fluid loss additives, and for polymer flooding.

Dwg.0/0

Dwg.0/0

FS CPI

FA AB

MC CPI: A04-F11; A12-A05B; A12-B01A; A12-W10; A12-W11; F01-H06A; F03-C; F03-E01; F03-F32; F04-D; F05-A06C; G02-A02B; G02-A03; G02-A04A; G03-B02D; G04-B05; H01-B06; H01-C